

JC20 Rec'd PCT/PTO 29 JUN 2005

## SEQUENCE LISTING

<110> MIRANDA, LESLIE PHILLIP  
KENT, STEPHEN B. H.

<120> WATER-SOLUBLE THIOESTER AND SELENOESTER  
COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME

<130> GRFN-044WO

<140> Unassigned

<141> 2003-12-30

<150> 60/437,285

<151> 2002-12-30

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> GRFN-1712 peptide

<221> VARIANT

<222> (1)...(1)

<223> Cys is Acn protected

<221> VARIANT

<222> (56)...(56)

<223> Trp is bound to a thioester moiety

<400> 1

Cys	Ser	Leu	Asn	Glu	Lys	Ile	Thr	Val	Pro	Asp	Thr	Lys	Val	Asn	Phe
1				5					10					15	
Tyr	Ala	Trp	Lys	Arg	Met	Glu	Val	Gly	Gln	Gln	Ala	Val	Glu	Val	Trp
			20					25					30		
Gln	Gly	Leu	Ala	Leu	Leu	Ser	Glu	Ala	Val	Leu	Arg	Gly	Gln	Ala	Leu
		35					40					45			
Leu	Val	Lys	Ser	Ser	Gln	Pro	Trp								
	50					55									

<210> 2

<211> 56

<212> PRT

<213> Artificial Sequence

<220>

<223> GRFN 1712-PLP3 peptide

<221> VARIANT

<222> (1)...(1)

<223> Cys is Acn protected

<221> VARIANT

&lt;222&gt; (56)...(56)

&lt;223&gt; Trp is bound to a thioester-PLP3-L moiety

&lt;400&gt; 2

Cys	Ser	Leu	Asn	Glu	Lys	Ile	Thr	Val	Pro	Asp	Thr	Lys	Val	Asn	Phe
1				5					10					15	
Tyr	Ala	Trp	Lys	Arg	Met	Glu	Val	Gly	Gln	Gln	Ala	Val	Glu	Val	Trp
			20					25					30		
Gln	Gly	Leu	Ala	Leu	Leu	Ser	Glu	Ala	Val	Leu	Arg	Gly	Gln	Ala	Leu
		35					40					45			
Leu	Val	Lys	Ser	Ser	Gln	Pro	Trp								
50					55										

&lt;210&gt; 3

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; GRFN 1852 peptide

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Cys is Acn protected

&lt;221&gt; VARIANT

&lt;222&gt; (51)...(51)

&lt;223&gt; Leu is bound to a thioester moiety

&lt;400&gt; 3

Cys	Leu	Ser	Gln	Leu	His	Ser	Gly	Leu	Phe	Leu	Tyr	Gln	Gly	Leu	Leu
1				5					10					15	
Gln	Ala	Leu	Glu	Gly	Ile	Ser	Pro	Glu	Leu	Gly	Pro	Thr	Leu	Asp	Thr
			20					25					30		
Leu	Gln	Leu	Asp	Val	Ala	Asp	Phe	Ala	Thr	Thr	Ile	Trp	Gln	Gln	Met
		35					40					45			
Glu	Glu	Leu													
50															

&lt;210&gt; 4

&lt;211&gt; 51

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; GRFN 1852-PLP3 peptide

&lt;221&gt; VARIANT

&lt;222&gt; (1)...(1)

&lt;223&gt; Cys is Acn protected

&lt;221&gt; VARIANT

&lt;222&gt; (51)...(51)

&lt;223&gt; Leu is bound to a thioester-PLP3-Leu moiety

&lt;400&gt; 4

Cys	Leu	Ser	Gln	Leu	His	Ser	Gly	Leu	Phe	Leu	Tyr	Gln	Gly	Leu	Leu
1				5					10					15	
Gln	Ala	Leu	Glu	Gly	Ile	Ser	Pro	Glu	Leu	Gly	Pro	Thr	Leu	Asp	Thr
			20					25					30		

Leu Gln Leu Asp Val Ala Asp Phe Ala Thr Thr Ile Trp Gln Gln Met  
35 40 45  
Glu Glu Leu  
50